

CONTROLLING COMPRESSIVE FORCE
USING PRESSURE SENSITIVE FILM

ABSTRACT OF THE DISCLOSURE

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A film is placed between contacting surfaces in an assembly. The film has an optical property responsive to pressure. A compressive force is applied to the contacting surfaces to generate an initial pressure pattern. The film is removed from between the contacting surfaces. The optical property is sensed to derive a
10 sensed initial pressure pattern. A stored setting controls the compressive force. The sensed initial pressure pattern is compared to a reference pressure pattern. The stored setting is updated to adjust the compressive force as a function of the comparing.